



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): CARTER-SMITH, Michael et al. EXAMINER: Not known
SERIAL NO.: 10/730,250 GROUP ART UNIT: 3739
FILED: December 9, 2003 ATTORNEY DOCKET No.: P-6406-US
FOR: ACUPRESSURE DEVICE

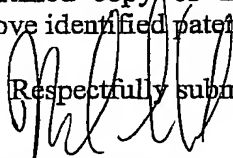
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

SUBMISSION OF CERTIFIED PRIORITY DOCUMENT

Sir:

Applicant(s) hereby submits a certified copy of the United Kingdom Application No. 0320159.7 filed August 28, 2003 for the above identified patent application.

Respectfully submitted,


Mark S. Cohen
Attorney for Applicants
Registration No. 42,425

Dated: March 30, 2004

Eitan, Pearl, Latzer & Cohen Zedek, LLP.
10 Rockefeller Plaza, Suite 1001
New York, New York 10020
Tel: (212) 632-3480
Fax: (212) 632-3490





INVESTOR IN PEOPLE

The Patent Office
Concept House
Cardiff Road
Newport
South Wales
NP10 8QQ

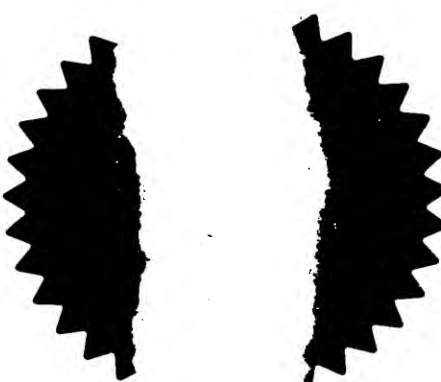
I, the undersigned, being an officer duly authorised in accordance with Section 74(1) and (4) of the Deregulation & Contracting Out Act 1994, to sign and issue certificates on behalf of the Comptroller-General, hereby certify that annexed hereto is a true copy of the documents as originally filed in connection with the patent application identified therein.

I also certify that the attached copy of the request for grant of a Patent (Form 1/77) bears an amendment, effected by this office, following a request by the applicant and agreed to by the Comptroller-General.

In accordance with the Patents (Companies Re-registration) Rules 1982, if a company named in this certificate and any accompanying documents has re-registered under the Companies Act 1980 with the same name as that with which it was registered immediately before re-registration save for the substitution as, or inclusion as, the last part of the name of the words "public limited company" or their equivalents in Welsh, references to the name of the company in this certificate and any accompanying documents shall be treated as references to the name with which it is so re-registered.

In accordance with the rules, the words "public limited company" may be replaced by p.l.c., plc, P.L.C. or PLC.

Re-registration under the Companies Act does not constitute a new legal entity but merely subjects the company to certain additional company law rules.

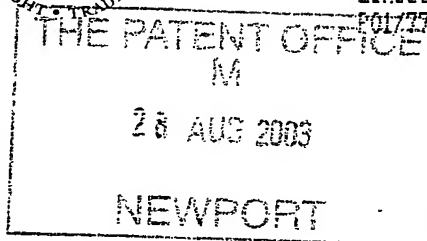


Signed

Dated 9 March 2004



28AUG03 E633351-1 B15357
P017700 0.00-0320159.7



The Patent Office

Cardiff Road
Newport
South Wales
NP10 8QQ

Request for grant of a patent

(See the notes on the back of this form. You can also get an explanatory leaflet from the Patent Office to help you fill in this form)

1. Your reference

M3/BIO/INVENTION

2. Patent application number

(The Patent Office will fill in this part)

0320159.7

28 AUG 2003

3. Full name, address and postcode of the or of each applicant (underline all surnames)

ROGER PHILIP WHITAKER
* ATWOOD HOUSE
33 CLAREMOUNT GARDENS
ETBOM SUAREY KT18 5XF

MICHAEL CARTER-SMITH
3 DRAKES WAY
MAYFORD
SUAREY
GU.

Patents ADP number (if you know it)

8701765001

8701781001

If the applicant is a corporate body, give the country/state of its incorporation

* Address for all correspondence

4. Title of the invention

BIO ENERGY RING

5. Name of your agent (if you have one)

N/A

MARKS & CLERK
57-60 Lincolns Inn Fields
London
WC2A 3LS

"Address for service" in the United Kingdom to which all correspondence should be sent (including the postcode)

Patents ADP number (if you know it)

6. If you are declaring priority from one or more earlier patent applications, give the country and the date of filing of the or of each of these earlier applications and (if you know it) the or each application number

Country

Priority application number
(if you know it)

Date of filing
(day / month / year)

N/A

7. If this application is divided or otherwise derived from an earlier UK application, give the number and the filing date of the earlier application

Number of earlier application

Date of filing
(day / month / year)

N/A

8. Is a statement of inventorship and of right to grant of a patent required in support of this request? (Answer 'Yes' if:

N/A

- a) any applicant named in part 3 is not an inventor, or
 - b) there is an inventor who is not named as an applicant, or
 - c) any named applicant is a corporate body.
- See note (d))

Patents Form 1/77

9. Enter the number of sheets for any of the following items you are filing with this form.
Do not count copies of the same document

Continuation sheets of this form *NONE*
Description *5* ✓
Claim(s) *3* *4* ✓
Abstract *1* ✓ *W*
Drawing(s) *4 + 4* ✓

10. If you are also filing any of the following, state how many against each item.

Priority documents *NONE*
Translations of priority documents *NONE*
Statement of inventorship and right to grant of a patent (Patents Form 7/77) *NONE*
Request for preliminary examination and search (Patents Form 9/77) *NONE*
Request for substantive examination (Patents Form 10/77) *NONE*
Any other documents (please specify) *COVERING LETTER RE APPLICATIONS TO USA WITHIN FIRST SIX WEEKS. EP + PCT APPLICATIONS*

11. I/We request the grant of a patent on the basis of this application.

Signature

Date *27/8/2003*

12. Name and daytime telephone number of person to contact in the United Kingdom

ROGER PHILIP WHITAKER - 01737 370670
OR FAX 01737 379917.

Warning

After an application for a patent has been filed, the Comptroller of the Patent Office will consider whether publication or communication of the invention should be prohibited or restricted under Section 22 of the Patents Act 1977. You will be informed if it is necessary to prohibit or restrict your invention in this way. Furthermore, if you live in the United Kingdom, Section 23 of the Patents Act 1977 stops you from applying for a patent abroad without first getting written permission from the Patent Office unless an application has been filed at least 6 weeks beforehand in the United Kingdom for a patent for the same invention and either no direction prohibiting publication or communication has been given, or any such direction has been revoked.

Notes

- If you need help to fill in this form or you have any questions, please contact the Patent Office on 08459 500505.
- Write your answers in capital letters using black ink or you may type them.
- If there is not enough space for all the relevant details on any part of this form, please continue on a separate sheet of paper and write "see continuation sheet" in the relevant part(s). Any continuation sheet should be attached to this form.
- If you have answered 'Yes' Patents Form 7/77 will need to be filed.
- Once you have filled in the form you must remember to sign and date it.
- For details of the fee and ways to pay please contact the Patent Office.

BIO ENERGY RING

Technical Background:

This invention relates to rings for bio energy use .

Background of the invention:

The object of this invention is to apply precisely pressure to a key point on the surface of the skin by means of a ring, and more particularly relates to a ring which adds a functional element by adopting the Tui Na discipline of Acupressure first practised 5000 years ago. This method is based upon the science of bio energetic meridian lines that flow through the body from the finger tips to the brain.

There are fourteen main meridians in the body connected by collaterals, these are split into six Yin and six Yang with each collateral connecting the brain to an organ associated with the specific meridian.

These energy meridians can get blocked, and by applying acupressure to the corresponding acupoint frees the obstruction by stimulating the blood flow.

Acupressure involves applying pressure to certain meridian points on the body, fingers and hand to relieve pain, increase blood circulation and enable muscle fibres to elongate and relax. This invention focuses on creating the correct bio energetic effect to meridian lines directly effecting the nose and throat thereby promoting noiseless quality sleep patterns and improved blood flow to the heart.

The traditional Chinese method involved the use of natural materials to create a tourniquet and dried rice pods which acted as acupressure stimulators. More recently several acupressure rings have been developed to emulate the acupressure process by blood circulation enhancement.

However they tend to suffer from haphazardly selecting positions on the fingers by means of one or more protuberances creating confusion and disadvantage for the user, Random selection of pressure points will not permit the desired stimulation process of blood circulation. The key pressure point (acupoint) is quite specific to the outer finger of each hand, left (female) right (male)..

Accordingly this invention provides a new type of bio energy ring with blood flow stimulation protuberances (acupressure stimulators) in precise locations to the meridian line acupressure points, to be worn on an outer finger thereby eliminating the problem of random acupoint selection and end user confusion associated with previous acupressure rings. The main beneficiary being the guaranteed improvement of noiseless quality sleep.

The present invention comprises of a discontinuous ring band with a plurality of rounded projections from the inner surface of the ring band corresponding directly with the outer finger meridian acupressure point and applying pressure directly onto the arterial channel.

Preferably the bio energy ring is made of either silver, gold , platinum or titanium but it may instead be made of copper, brass, zinc, steel, wood, plastic or rubber. Also the acupressure stimulators can be a variety of shapes provided they are produced to the correct specification in relation to the acupressure point. Therefore the acupressure stimulators can be round, cylindrical, conical, square or rectangular, singular or plural, and repeated as a novel feature of this invention on the outer edge of the discontinuous ring band directly adjacent to the internal acupressure stimulators as a cosmetic enhancement feature. Where the ring band or acupressure stimulators are moulded or formed in metal, they can be either solid or hollow.

A preferred embodiment of the invention will now be described with reference to the accompanying drawings in which:

Brief Description of the Drawings

Figure 1: An illustration of the human body showing meridian lines.

Figure 2: An illustration showing precise location of acupressure points on human hands.

Figure 2A: An illustration showing the precise location of ring on left hand in relation to the acupressure point on little finger.

Figure 3: Shows a $\frac{3}{4}$ view of the entire ring, showing plurality of round shaped acupressure stimulators.

Figure 4: Shows cross section of ring.

Figure 5: Shows base section of ring.

Figure 6: Shows top section of ring with gap enabling sizing adjustment of ring shape.

Figure7: Shows side view of ring and plurality of round shaped acupressure stimulators for right hand, reversed if placed on left hand.

Figure 8: Shows side profile of ring and plurality of round shaped acupressure stimulators for left hand, reversed if placed on right hand, and shows optional protuberances repeated for cosmetic enhancement.

Description of the Embodiments

The present invention provides a ring capable of applying continuous pressure to a precise location on the outer finger via protuberances extending from the inner surface of the ring.

As shown in figure 1 a major meridian line extends from the outer finger of the hand up the back of the arm to the neck, throat, sinus, eyes and ears.

In figures 2 and 2A the application of the bio energy ring providing pressure precisely to acupressure point 2 will have a beneficial effect on the blood flow to the throat and sinuses. Application of pressure to any of the points numbered 1 to 18 along the meridian line will also have beneficial effects of varying intensity to other parts of the human body.

As shown in figures 3, 4, 6, 7, and 8 the ring band can be discontinuous comprising of two ends spaced apart.

Figures 3, 4, 7 and 8 show the acupressure stimulators which can be round shaped as shown, but other shapes will perform with equal effect such as conical, cylindrical square or rectangular,

The acupressure stimulators can be plural or singular provided the acupressure point 2 receives pressure in this precise area.

The ring can be produced in many materials but fine metals are preferred for their malleable properties when adjusting the ring for individual sizing.

Figure 4 shows the ring band is rectilinear shape, but other alternative shapes may be equally effective.

As mentioned above the use of this invention provides a new innovative functionality of the generic ring , by stimulation of the blood flow to sinuses and throat, noiseless quality sleep can be achieved by a method that is non invasive does not require surgery or constant replenishment of consumable sleep enhancing products.

Claims

- 1) A bio energy ring comprising of a ring band adjustable for finger size capable of being slid onto the little finger of either the right or left hand, and containing a plurality of precisely located acupressure stimulators extending from the inner surface of the ring band, applying pressure directly onto the correct arterial channel therein providing enhanced blood flow stimulus to the sinuses, throat and heart.
- 2) A bio energy ring as claimed in 1 wherein a plurality of precisely located acupressure stimulators are provided on the ring band to enhance the flow of blood along the arterial channel to the sinuses throat and heart.
- 3) A bio energy ring as claimed in claim 1 or claim 2 wherein a single precisely located acupressure stimulator is provided on the ring band.
- 4) A bio energy ring as claimed in claim 1 or claim 2 or claim 3 wherein the ring band is not continuous, therein allowing for adjustment of finger size.
- 5) A bio energy ring as claimed in claim 1 or claim 2 or claim 3 wherein the acupressure stimulators are rounded in shape and form.
- 6) A bio energy ring as claimed in claim 1 or claim 2 or claim 3 wherein the acupressure stimulators are moulded or formed in a variety of shapes by example: triangular shape, or polygonal shape, or polyhedral shape, or rhomboid shape, or wedge shape, or quadrangular shape, or cylindrical shape, or square shape, or cubic shape, or rectangular shape, or conical shape, or bulb shape, or tubular shape, or pyramidal shape or spring shape, or star shape, or

barrel shape, or crescent shape, or bell shape, or egg shape, or ellipsoidal shape, or mushroom shape, or balloon shape, or bullet shape, or capsule shape, or apple shape, or onion shape, or diamond shape, or pipe shape or rolling pin shape, or horn shaped, or bottle shape, or rose shaped, or flower head shapes, or ovoid shaped, or pear shape, or heart shape, or coil shape, or hoop shape, or turban shape, or knot shape, or tyre shape, or sports bat shape, or sports racquet shape, or prism shape, or pie shape, or animal shape, or vegetable shapes, or bird shapes, or fish shapes, or insect shapes, or tool shapes, or lozenge shapes, or "Z" shape image, or raised letters of alphabet shape from A to X, or crown shape, or bone shape, or transportation image shapes – car, or pedal cycle, or bus, or tram, or train, or boat, or ship, or aircraft, or motor cycle; or clover shape, or shamrock shape, or leek shape, or feather shape, or thistle shape, or leaf shapes, or pen shape, or coin shape, chain link shape, or bone shape, or billiard/snooker/pool cue shape, or brush shape, or spoon shape or book shape, or key shape, or tea/coffee pot shape.

- 7) A bio energy ring as claimed in claim 1 or claim 2 or claim 3 or claim 4 or claim 5 or claim 6 wherein the acupressure stimulator shapes can be repeated on the outer surface of the ring band directly adjacent to acupressure stimulator shapes on the inner surface of the ring band.
- 8) A bio energy ring as claimed in claim 1 or claim 2 or claim 3 or claim 4 or claim 5 or claim 6 or claim 7 wherein the ring band and acupressure stimulators are formed or moulded in metal, metal alloys or metallic based

materials by way of example, silver, gold, platinum, titanium, zinc, copper, brass.

- 9) A bio energy ring as claimed in claim 1 or claim 2 or claim 3 or claim 4 or claim 5 or claim 6 or claim 7 wherein the ring band and acupressure stimulators are formed or moulded in plastic or polymer based material.
- 10) A bio energy ring as claimed in claim 1 or claim 2 or claim 3 or claim 4 or claim 5 or claim 6 or claim 7 wherein the ring band and acupressure stimulators are formed or moulded in carbon based materials by way of example, carbon fibre, Kevlar.
- 11) A bio energy ring as claimed in claim 1 or claim 2 or claim 3 or claim 4 or claim 5 or claim 6 or claim 7 wherein the ring band and acupressure stimulators can be carved or formed from wood.
- 12) A bio energy ring as claimed in claim 1 or claim 2 or claim 3 or claim 4 or claim 5 or claim 6 or claim 7 wherein the ring band and acupressure stimulators can be moulded or formed from rubber and rubber based materials.
- 13) A bio energy ring as claimed in claim 1 or claim 2 or claim 3 or claim 4 or claim 5 or claim 6 or claim 7 wherein the ring band is moulded or formed from metal, metal alloys, or metallic materials and the acupressure stimulators are formed from precious or semi precious gem stones, by way of example, diamonds, or emeralds, or rubies, or garnets, or zircon, or zirconium, or opals, or pearls, or amethyst, or agate, or coral. or jade, or onyx, or sapphire, or solitaire.

- 14) A bio energy ring as claimed in claim 1 or claim 2 wherein single or plural acupressure stimulators are provided and the projections result in pressure being applied directly to the arterial channel.
- 15) A bio energy ring as claimed in claim 1 or claim 2 or claim 3 or claim 4 or claim 5 or claim 6 or claim 7 or claim 8 wherein the ring band and acupressure stimulators when formed or moulded in metal, metal alloys or metallic based materials can be either solid or extruded to form a hollow ring band and acupressure stimulator(s).
- 16) A bio energy ring substantially as described herein with reference to figure 1 to 8 of the accompanying drawings.

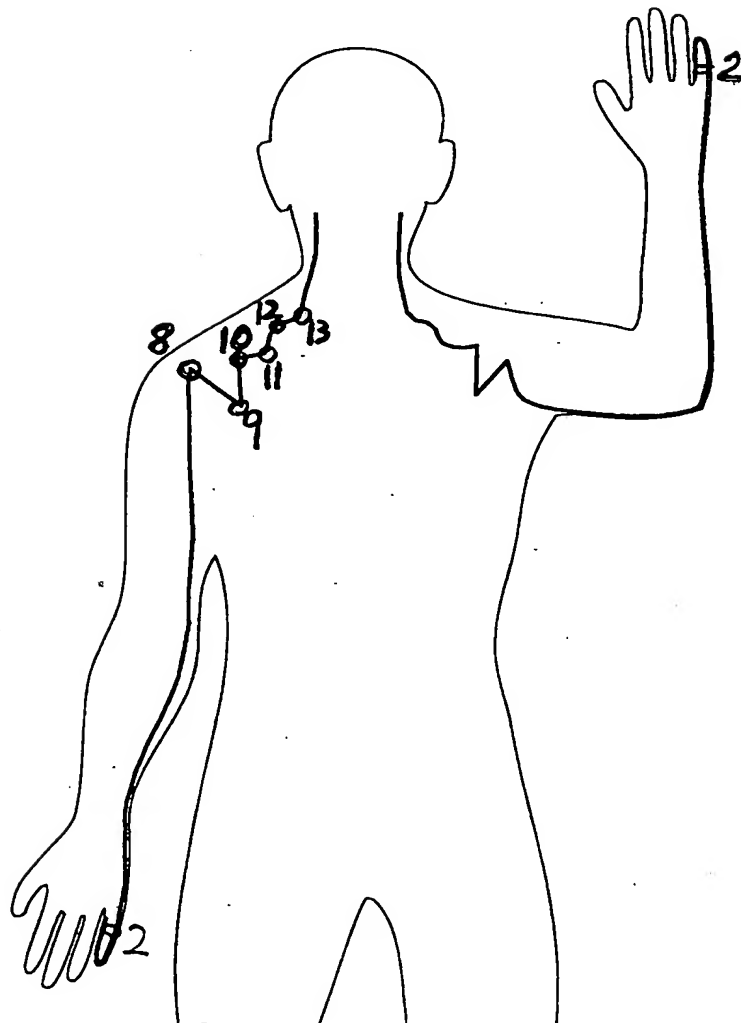
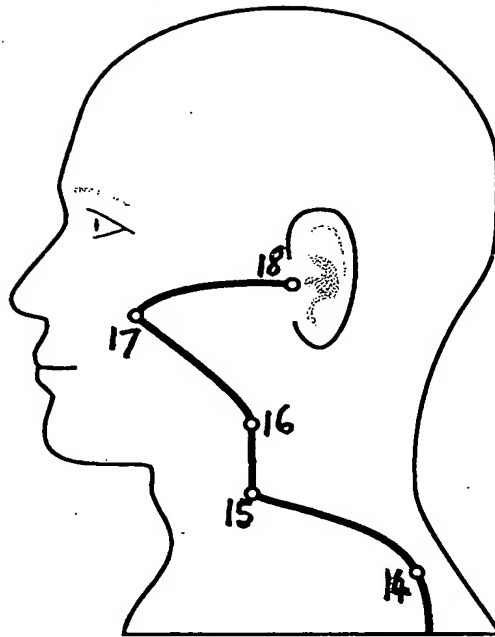
Abstract.**Bio Energy Ring.**

A ring comprising of a discontinuous ring band to be worn on the little finger of the hand (21) enabling individual adjustment for finger size, and containing one or more protuberances (19) extending from the inner surface of the ring band, (repeated (20) directly adjacent thereof on the outer surface of the ring band for cosmetic enhancement), thereby applying direct pressure onto the arterial channel supplying blood flow to the sinuses, throat and heart and enhancing the blood flow thereof. A direct benefit to the wearer being improved breathing, sleep patterns and reduction of chronic snoring.

Use Figure 3 and Figure 8 to accompany abstract.

1/4

FIG 1



2/4

FIG 2

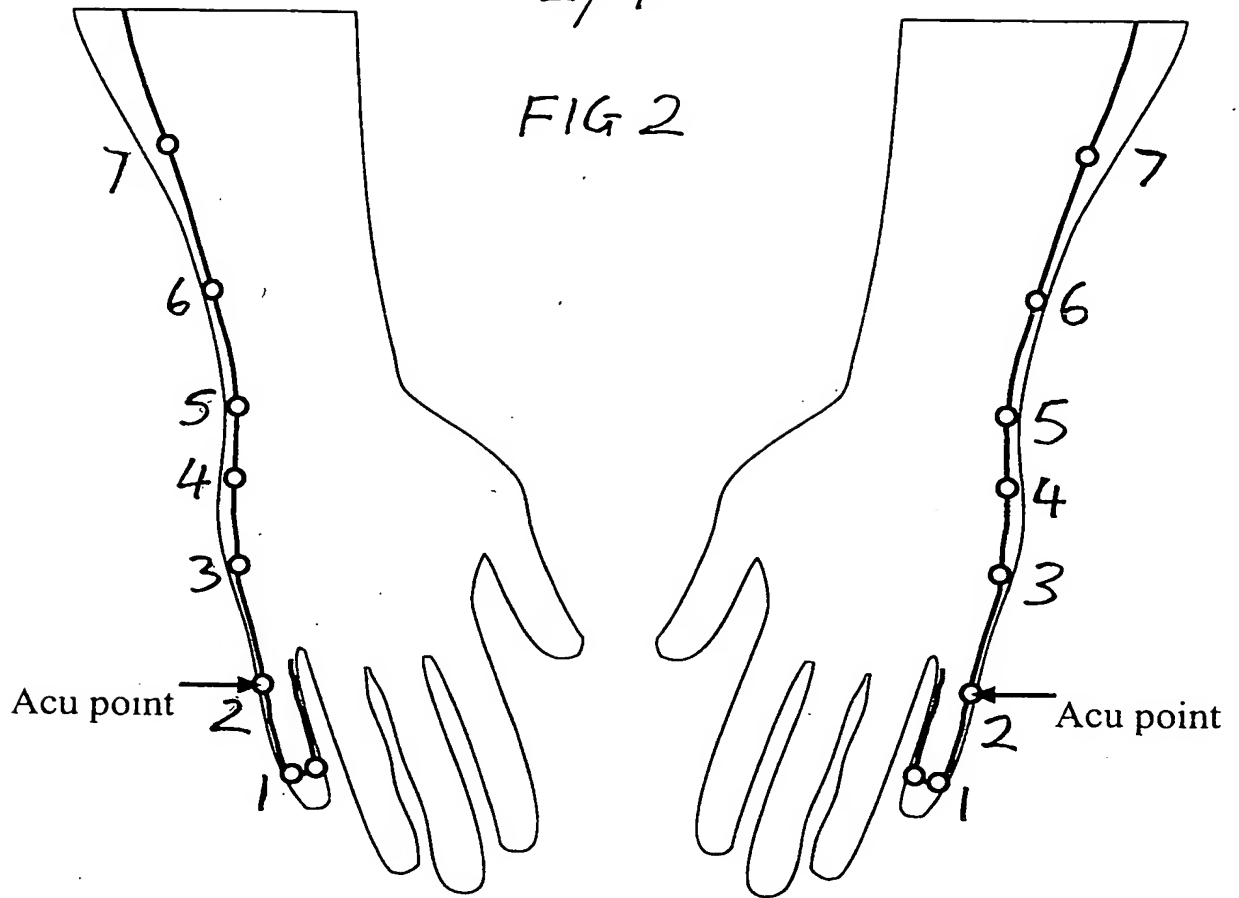
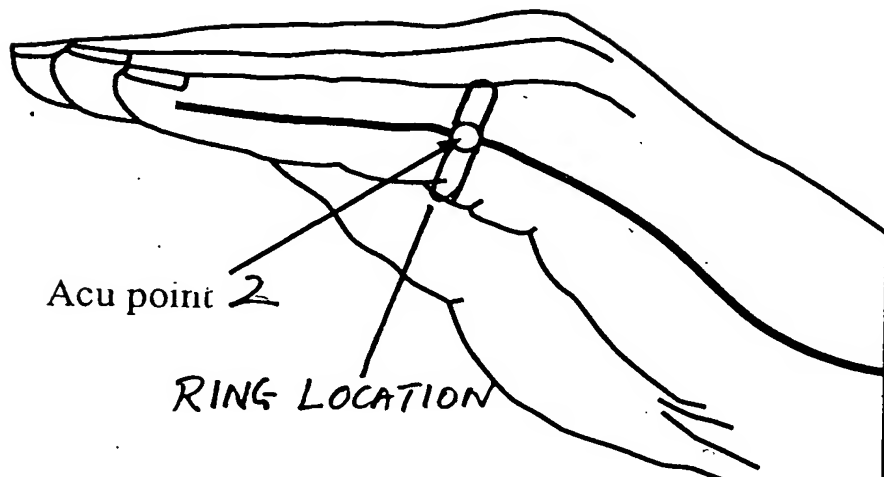


FIG 2A



3/4
FIG 3

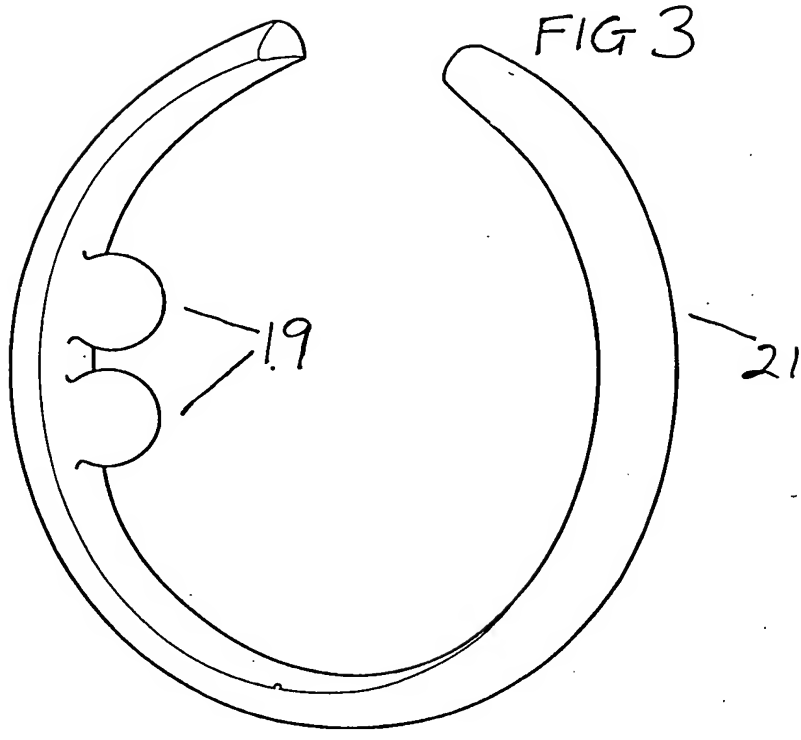


FIG 4

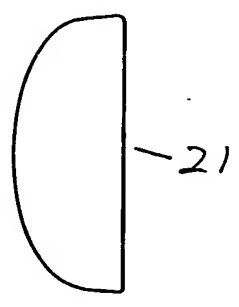


FIG 6

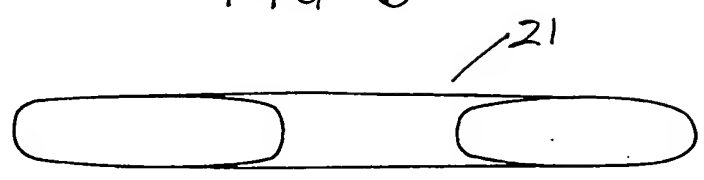
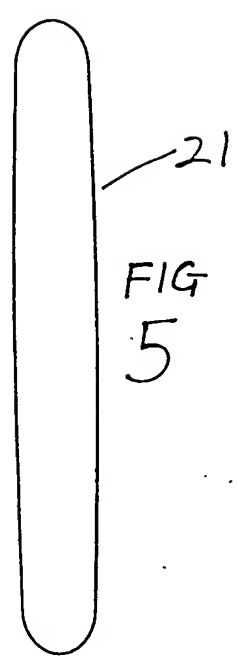


FIG
5



4/4

FIG 7

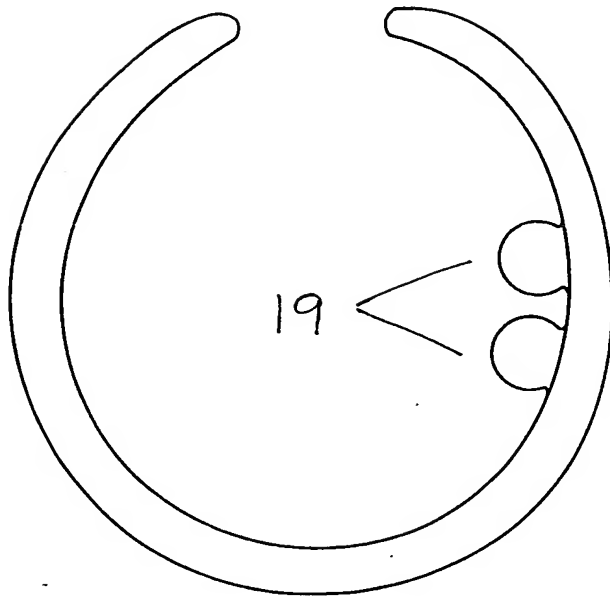


FIG 8

